ADJUSTMENT

■ Safety Precautions

1. It is safe to adjust after using insulating transformer between the power supply line and chassis input to prevent the risk of electric shock and protect the instrument.
2. Never disconnect leads while the TV receiver is on.
3. Don't short any portion of circuits while power is on.
4. The adjustment must be done by the correct appliances. But this is changeable in view of productivity.
5. Unless otherwise noted, set the line voltage to 230Vac±10%, 50Hz.

■ Test Equipment required

1. Multimeter (volt meter)
2. Oscilloscope

• RF AGC (Automatic Gain Control) Adjustment

Test Point	**: AGC TP (J3)**
Adjust	**: Remote Control**

The RF AGC was aligned at the time of manufacture for optimum performance over a wide range conditions. Readjustment of RF AGC should not be necessary unless unusual local conditions exist, such as ;

1) Channel interference in a CATV system.
2) Picture bending and/or color beats, which are unusually due to excessive RF signal input when the receiver is too close to a transmitting tower or when the receiver is connected to an antenna distribution system where the RF signal has been amplified. In this case, the input signal should be attenuated (with pad or filter) to a satisfactory level.
3) Picture noise caused by "broadcast noise" or weak signal. If the broadcast is "clean" and the RF signal is at least 1mV (60dBu), the picture will be noise free in any area.

Adjustment

1. Connect RF signal (65dB) and turn on the TV.
2. Press OK buttons on TV set and Remote Controller at the same time to get into SVC mode.
3. Press Channel UP/DOWN button on the Remote Controller several times to find AGC.
4. Press Volume UP/DOWN button until the AGC Voltage is the same as the Table below.
5. Press OK(■) button to memorize the data.

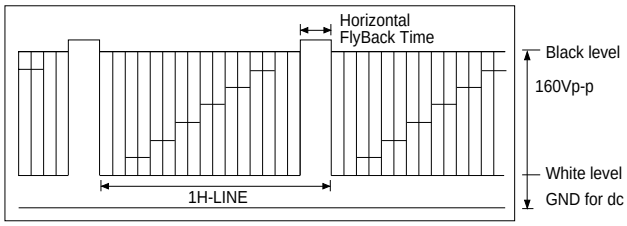
SYSTEM	PAL/SECAM-BG SECAM-LL'	PAL-BG/DK	PAL-I
TUNER	6700VPF002A	6700VPF002B	6700VPF002B
AGC Voltage	2.3 ± 0.1V	2.3 ± 0.1V	2.1 ± 0.1V

NOTE: AGC must be adjusted when the tuner was changed.

• Screen Voltage Adjustment

Test Point	**: RK (Red Cathode of CPT Board)**
Adjust	**: Screen Control of FBT**

1) Tune the TV set to receive a digital pattern.
2) Press PSM (RED) button on remote controller. (standard picture)
3) Connect the probe of oscilloscope to the RK (Red Cathode) of CPT Board.
4) Adjust Screen Volume of FBT so that the waveform is the same as below figure.



The waveform of RK(Red Cathode) of CPT Board

• Focus Adjustment

NOTE: This adjustment should be performed after warming up for 10 minutes.

Test Point	**: Observing Display**
Adjust	**: Focus control of FBT**

1) Tune the TV set to receive an inactive channel station.
2) Adjust the Focus control of FBT for best overall focus.

• Deflection Data Adjustment (Line SVC-1)

NOTE: To enter SVC mode, press "OK" buttons on both TV set and the Remote control at the same time.

1. Preparation for Deflection Adjustment

1) At SVC mode, press the Yellow colored button.
   If the Remote Controller doesn't have the Yellow button, you should use a Service Remote Control (105-201G) and press SVC button.
   And then, deflection data adjustment OSD (SVC1 mode) will be displayed.
2) Press Channel UP/DOWN button for desirous function Adjustment.
3) Press Volume UP/DOWN button to adjust the data.

2. Deflection Adjustment Procedure

VL (Vertical Linearity)
Adjust so that the boundary line between upper and lower half is in accord with geometric horizontal center of the CPT.

VA (Vertical Amplitude)
Adjust so that the circle of a digital circle pattern may be located within the effective screen of the CPT.

SC (Vertical "S" Correction)
Adjust so that all distance between each horizontal lines are to be the same.

VS (Vertical Shift)
Adjust so that the horizontal center line of a digital circle pattern is in accord with geometric horizontal center of the CPT.

HS (Horizontal Shift)
Adjust so that the vertical center line of a digital circle pattern is in accord with geometric vertical center of the CPT.

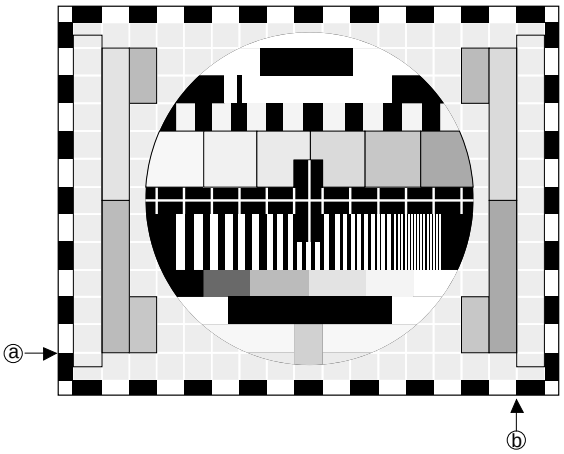
EW (Horizontal Width)
Adjust to that a digital circle pattern looks like exact circle.

EP (East-west Parabolar)
Adjust so that middle portion of the outermost left and right vertical line looks like parallel with vertical lines of the CPT.

EC (East-west Coner)
Adjust so that the vertical line at every 4 corners of the screen looks like parallel with the vertical lines of the CPT.

ET (East-west Trapezium)
Adjust to make the length of top horizontal line same with it of the bottom horizontal line.

VZ (Zoom Mode, Vertical Height)
Select the zoom mode with ARC button and adjust the data until the lines a and b of figure are 5~10mm from the top and bottom of CPT and 3~5mm from each sides of CPT.



<Figure>

3. Deflection Initial Setup Data

Item	PAL 50Hz			NTSC 60Hz		
	Normal	Wide	Zoom	Normal	Wide	Zoom
VL	33	30	28	28	29	27
VA	31	33	30	37	33	33
SC	18	18	18	18	18	18
VS	29	41	40	40	41	43
HS	27	29	29	35	35	35
EW	50	46	55	49	47	57
EP	42	48	48	48	48	47
EC	26	26	26	26	30	39
ET	28	29	29	35	30	29
VZ	31	0	45	29	0	43

• White Balance Adjustment.(LINE SVC-0)

NOTE : This adjustment should be performed after screen voltage adjustment.

1) Tune the TV set to receive an 100% white pattern.
2) Press OK(■) buttons on TV set and remote controller at the same time to get into SVC mode.
3) Press PSM(RED) button on remote controller. (Standard picture)
4) Press Channel UP/DOWN button for desirous function adjustment.
5) Adjust VOL+ or VOL- button for GG:31.
6) Adjust VOL+ or VOL-button in each status of "Rg--"/"Bg--" for X=293±8, Y=295±8 with color analyzer.
7) Press OK(■) button to memorize the adjustment data.

ITEM	DATA
AGC	20 (*)
RG	41 (*)
GG	31 (*)
BG	29 (*)
CDL	6
Y-Del	10 (15, UK)
DS	1
DSA	1

NOTE: "(*)" marked items must be adjusted.

- **LINE SVC-2**

ITEM	DATA
FP	30
NP	118
SP	23
S1 VOL	75
S2 VOL	75

- **OPTION Adjustment (SVC MODE:OPTION-1, OPTION-2)**

NOTE: When the EEPROM has been replaced, the Option data should be restored as the function of individual system and specification.

1) Press OK buttons on both TV set and Remote Controller at the same time to get into SVC mode.
2) Press the Yellow button several times to find OPTION-1 or OPTION-2.
3) Input the correspond OPTION data referring to Table below with the numeric buttons 0~9.

Table 1. OPTION 1. Function & DATA

ITEM	DATA
SYSTEM	B+L(FRANCE), I(UK), B+D(GERMANY, NORTH/EAST EUROPE, etc.)
TOP	ON(GERMANY, SWISS, AUSTRIA), OFF(FRANCE, UK, NORTH/EAST EUROPE, etc.)
OPTION Data	8(FRANCE), 11(UK), 13(GERMANY), 9(NORTH/EAST EUROPE, etc.)

Table 2. OPTION 2. Function & DATA

ITEM	DATA
GAI	1
5LANG	0
OPTION Data	2

• CH(EEPROM) Data

Germany

No.	CH.	FREQ.	Pattern	Sound
1	EU-05	175.25	Digital	ST
2	EU-04	62.25	Digital	DUAL
3	EU-31	551.25		
4	EU-51	711.25		
5	EU-25	503.25	Color BAR	N/ST, TXT
6	EU-50	703.25	Digital	ST
7	EU-52	719.25	Color BAR	N/ST, TXT
9	R-05	93.25	Digital	SECAM D/K
10	R-34	575.25	Digital	SECAM D/K

France

No.	CH.	FREQ.	Pattern	Sound
1	SL-45	663.25		
2	SL-B	55.75	Cross Hatch	TXT
3	SL-04	200.00		
4	EU-05	175.25	Digital	ST
5	EU-04	62.25	Digital	DUAL
6	EU-31	551.25		
7	EU-51	711.25		
8	SL-23	487.25	Color BAR	
9	SL-03	192.00	Digital	N/DUAL
10	EU-52	719.25	Color BAR	N/ST, TXT

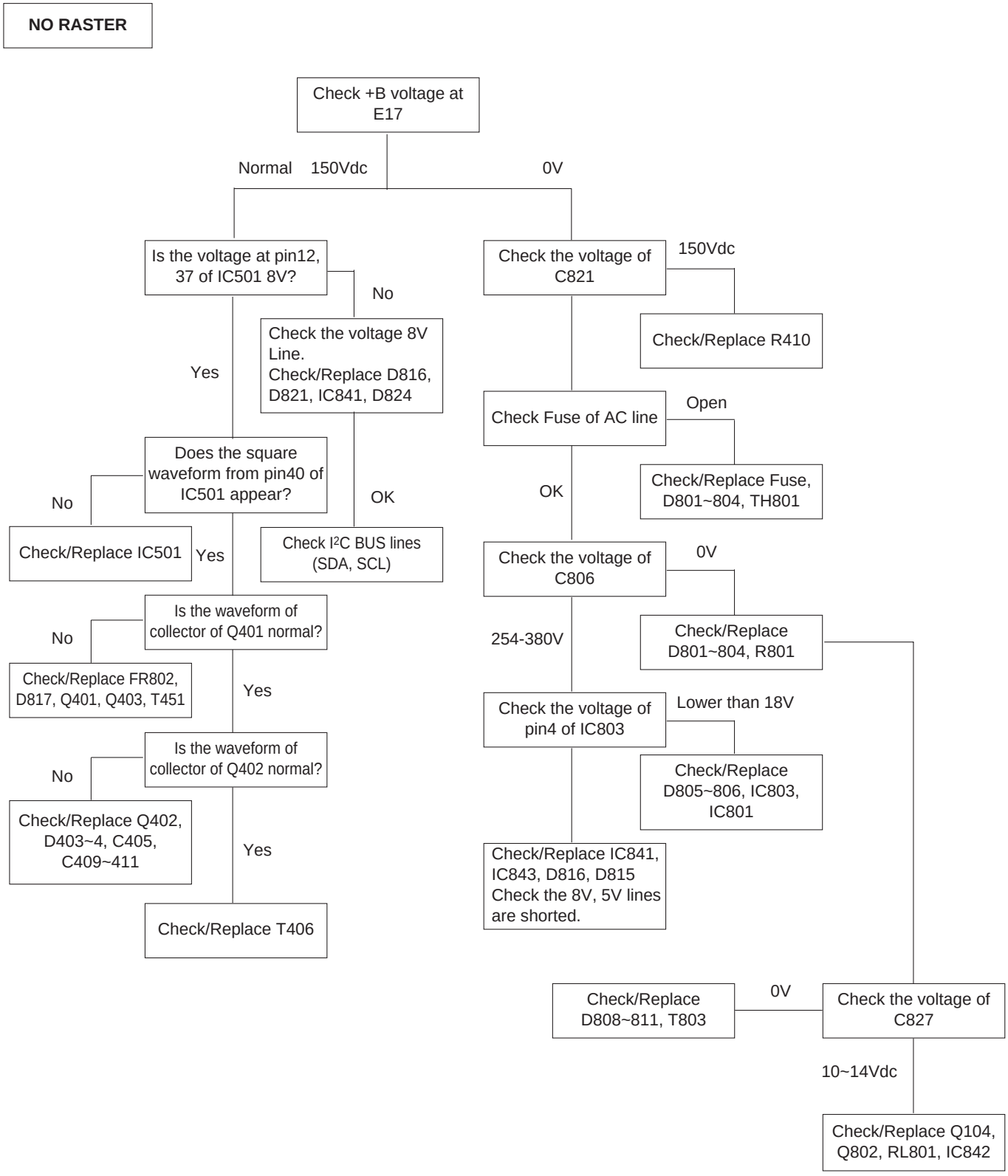
UK

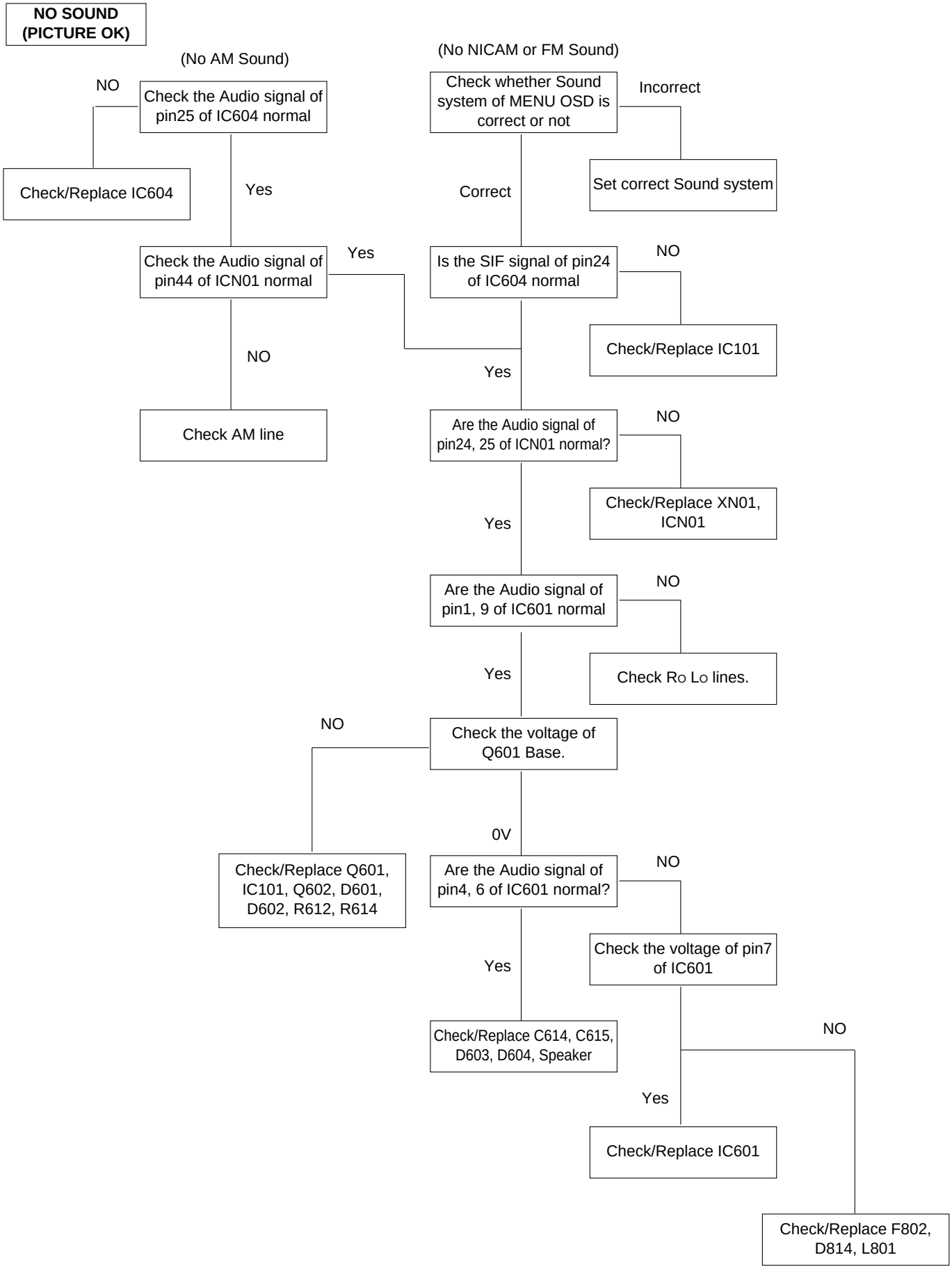
No.	CH.	FREQ.	Pattern	Sound
1	PI-41	631.25	Digital	N/DUAL
2	PI-21	471.25		
3	PI-69	855.25		
4	PI-63	807.25	Digital	N/DUAL

North/East Europe etc.

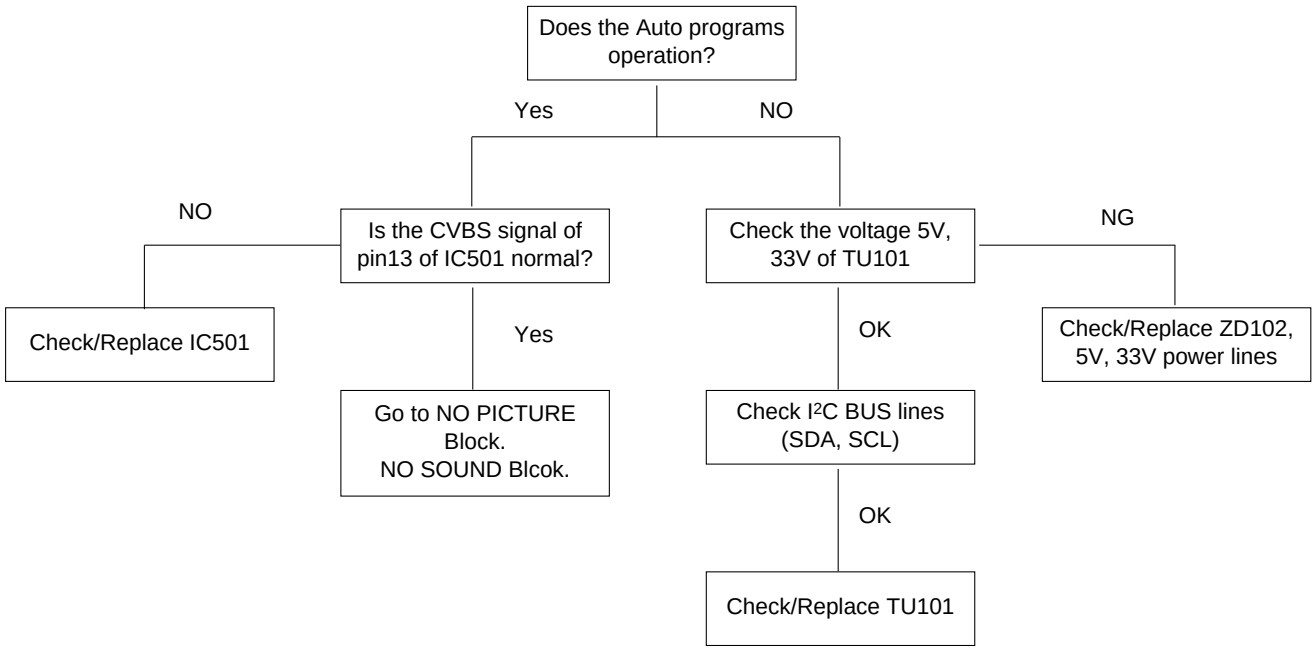
No.	CH.	FREQ.	Pattern	Sound
1	EU-05	175.25	Digital	ST
2	EU-04	62.25	Digital	DUAL
3	EU-31	551.25		
4	EU-51	711.25		
5	EU-25	503.25	Color BAR	N/ST, TXT
6	EU-50	703.25	Digital	ST
7	EU-52	719.25	Color BAR	N/ST, TXT
8	R-05	93.25	Digital	SECAM D/K
9	R-34	575.25	Digital	SECAM D/K

TROUBLESHOOTING

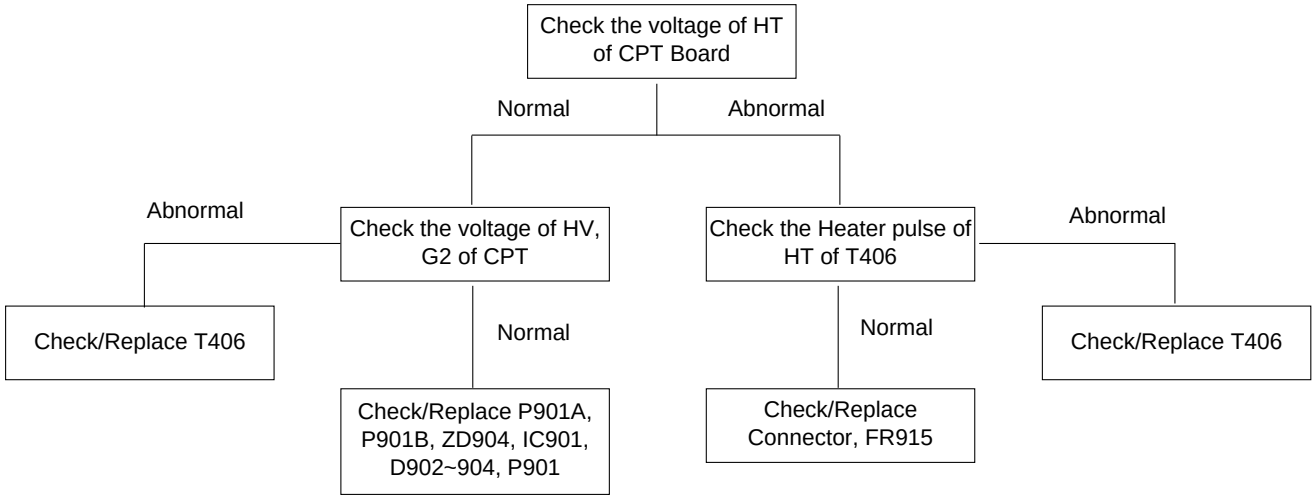



NO SOUND (PICTURE OK)
(No AM Sound)
NO
Check the Audio signal of pin25 of IC604 normal
Check/Replace IC604
Yes
Check the Audio signal of pin44 of ICN01 normal
Yes
NO
Check AM line
(No NICAM or FM Sound)
Check whether Sound system of MENU OSD is correct or not
Incorrect
Set correct Sound system
Correct
Is the SIF signal of pin24 of IC604 normal
NO
Check/Replace IC101
Yes
Are the Audio signal of pin24, 25 of ICN01 normal?
NO
Check/Replace XN01, ICN01
Yes
Are the Audio signal of pin1, 9 of IC601 normal
NO
Check Ro Lo lines.
Yes
Check the voltage of Q601 Base.
NO
Check/Replace Q601, IC101, Q602, D601, D602, R612, R614
0V
Are the Audio signal of pin4, 6 of IC601 normal?
NO
Check the voltage of pin7 of IC601
Yes
Check/Replace C614, C615, D603, D604, Speaker
NO
Yes
Check/Replace IC601
Check/Replace F802, D814, L801

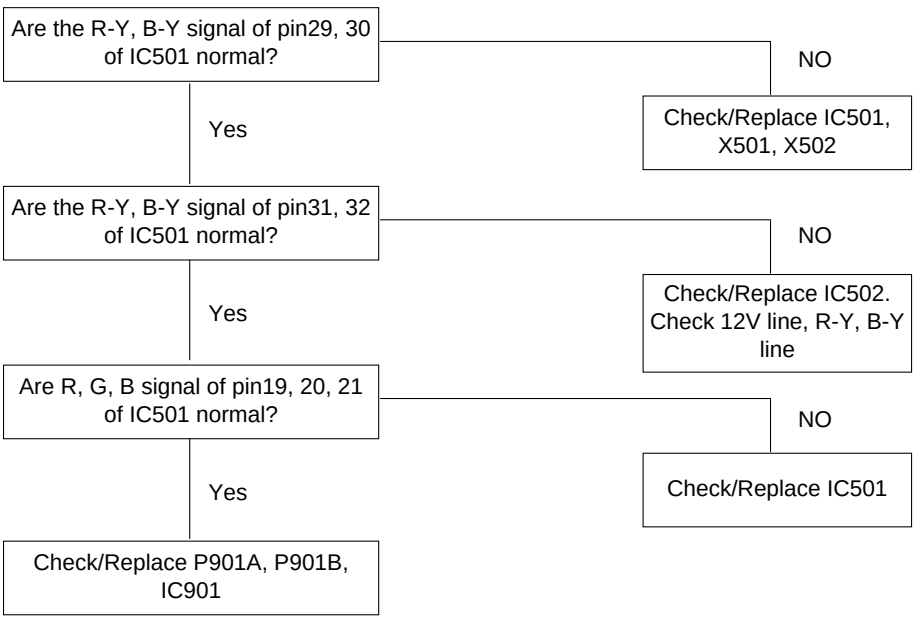
NO PICTURE/NO SOUND (RASTER OK)



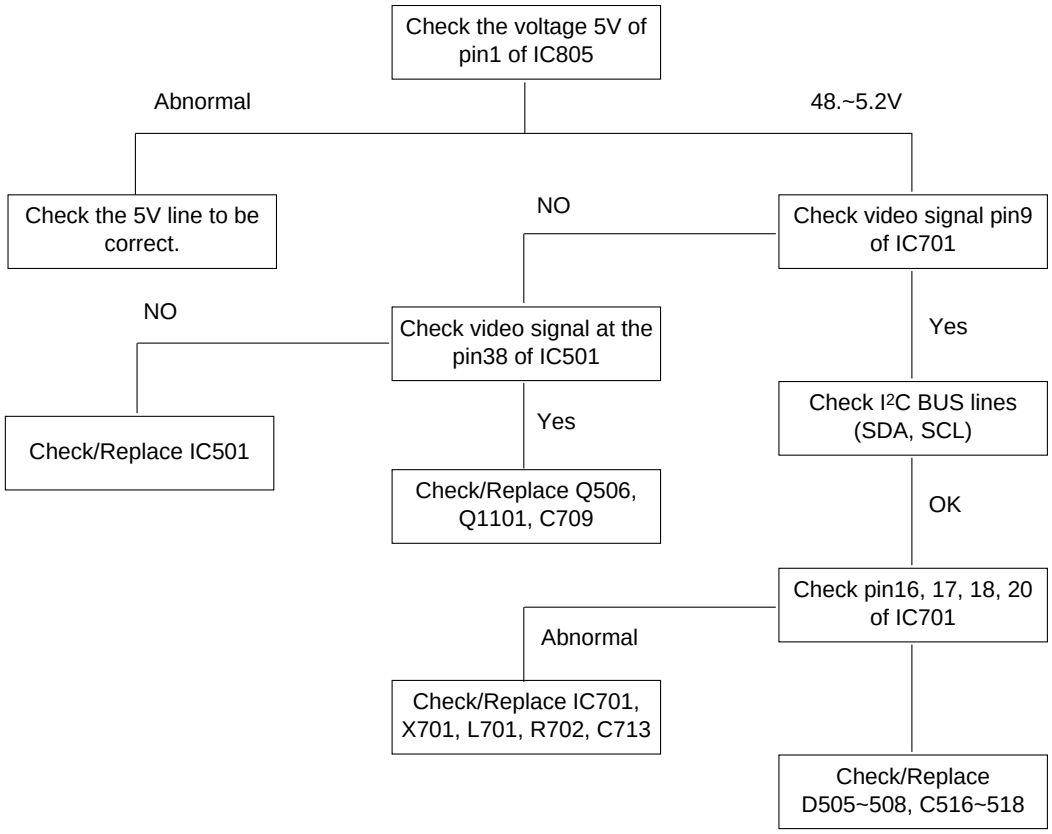
NO RASTER (SOUND OK)



NO COLOR
(Autoprograming, Picture OK)


Are the R-Y, B-Y signal of pin29, 30 of IC501 normal?
NO
Check/Replace IC501, X501, X502
Yes
Are the R-Y, B-Y signal of pin31, 32 of IC501 normal?
NO
Check/Replace IC502. Check 12V line, R-Y, B-Y line
Yes
Are R, G, B signal of pin19, 20, 21 of IC501 normal?
NO
Check/Replace IC501
Yes
Check/Replace P901A, P901B, IC901

NO TELETEXT



REPLACEMENT PARTS LIST

The components identified by mark ⚠ is critical for safety.
Replace only with part number specified.

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;
CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic
RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
		IC
ICN01	0IIT341000H	MSP3410D 52P,SDIP BK B4-VERSIO
IC01	0ISO881817C	LG8818-17C(CXP86441-562S) 52SD
IC02	0IAL241600B	AT24C16-10PC 8D EEPROM 16K
ICN02	0ISS753300A	KA7533Z RESET T0-92 TP 3.3V
IC03	0ISS754200A	KA7542Z RESET TO92 TP 4.2V
ICN60	0ISG282200A	TDA2822M 8D DUAL AUDIO AMP(1W)
IC201	0ISA701600A	LA7016 8S ANALOG S/W
IC303	0IPH835050A	TDA8350Q/N5 13P,SIP BK V/DEF+E
IC501	0IPH884400A	TDA8844 56P,SDIP BK MULTI 1CHI
IC502	0IPH456500A	TDA4565 18DIP CTI
IC601	0IPH261600A	TDA2616 STEREO AMP(20+20W)
IC604	0ITF447000A	TDA4470M 28P,SDIP BK VIF+SIF
IC701	0IPH528100F	SAA5281ZP/E 52P,SDIP BK WEST
"	0IPH528100H	SAA5281ZP/H 52P,SDIP BK
⚠ IC801	0ISH123200B	PC123 FY2PHOTO COUPLER
IC803	0ISK665413A	STR-F6654(LF1352) 5P,SIP BK ST
IC804	0ISK130000A	SE130N 3P 130V ERROR AMP
IC805	0IKE780500K	KIA7805PI 3P(TO-220IS) 5V,1A
IC841	0IKE780800A	KIA7808PI 3P(TO-220IS) 1A,8V
IC842	0ISS780500J	KA78L05AZ TO-92 TP 5V REGULATO
IC843	0IKE780500K	KIA7805PI 3P(TO-220IS) 5V,1A
IC901	0IPH610800A	TDA6108JF 9SIP BK VIDEO OUT AM
		DIODE
D02	0DD414809ED	1N4148 TA
D101	0DD181009AB	SWITCHING,CHIP KDS181 85V 300MA KEC
D111	0DD859009AA	SILICON MA859 TAPING
D112	0DD859009AA	SILICON MA859 TAPING
D231	0DD414809ED	1N4148 TA
D301	0DD414809ED	1N4148 TA
D302	0DD414809ED	1N4148 TA
D304	0DD414809ED	1N4148 TA
D307	0DD200009AH	RECTIFIER,RU2AMV(1) TP SANKEN
D403	0DD410000AC	RECTIFIER,RU4DS,LF-L1 SANKEN
D404	0DD410000AD	RECTIFIER,RU4AM,LF-L1 SANKEN
D406	0DD060009AC	TVR06J 0.6A/600V 250NS
D407	0DD060009AC	TVR06J 0.6A/600V 250NS
D408	0DD400509AA	RECTIFIER1N4005 GP TA
D409	0DD181009AB	SWITCHING,CHIP KDS181 85V 300MA KEC
⚠ D430	0DD150009CA	RECTIFIER,RGP15J,TP(52MM),GI
D501	0DD859009AA	SILICON MA859 TAPING
D502	0DD859009AA	SILICON MA859 TAPING
D504	0DD414809ED	1N4148 TA
D505	0DD414809ED	1N4148 TA
D506	0DD414809ED	1N4148 TA
D507	0DD414809ED	1N4148 TA
D508	0DD414809ED	1N4148 TA

LOCA. NO	PART NO	DESCRIPTION
D561	0DD414809ED	1N4148 TA
D562	0DD414809ED	1N4148 TA
D563	0DD414809ED	1N4148 TA
D564	0DD414809ED	1N4148 TA
D601	0DD181009AB	SWITCHING,CHIP KDS181 85V 300MA KEC
D602	0DD181009AB	SWITCHING,CHIP KDS181 85V 300MA KEC
D603	0DD414809ED	1N4148 TA
D604	0DD181009AB	SWITCHING,CHIP KDS181 85V 300MA KEC
D801	0DR153999AB	RECTIFIER,1N5399GP DO-204AC 1000V
D802	0DR153999AB	RECTIFIER,1N5399GP DO-204AC 1000V
⚠ D803	0DR153999AB	RECTIFIER,1N5399GP DO-204AC 1000V
D804	0DR153999AB	RECTIFIER,1N5399GP DO-204AC 1000V
D805	0DD100009AM	RECTIFIER,EU1ZV(1) TP SANKEN
D806	0DD100009AM	RECTIFIER,EU1ZV(1) TP SANKEN
D807	0DD414809ED	1N4148 TA
D808	0DD060009AC	TVR06J 0.6A/600V 250NS TP G.I
D809	0DD060009AC	TVR06J 0.6A/600V 250NS TP G.I
D810	0DD060009AC	TVR06J 0.6A/600V 250NS TP G.I
D811	0DD060009AC	TVR06J 0.6A/600V 250NS TP G.I
D812	0DD060009AC	TVR06J 0.6A/600V 250NS TP G.I
D813	0DD410000AB	RECTIFIER,RU4C,LF-L1 SANKEN
D814	0DD410000AD	RECTIFIER,RU4AM,LF-L1 SANKEN
D815	0DD300009AC	RECTIFIER,RU3AMV(1) TP SANKEN
D816	0DD200009AF	RECTIFIER,RU2M V(1) TP SANKEN
D817	0DD100009AU	EU1AV(1)
⚠ D818	0DD414809ED	1N4148 TA
D819	0DD060009AC	TVR06J 0.6A/600V 250NS
D820	0DD181009AB	SWITCHING,CHIP KDS181 85V 300MA
D821	0DD414809ED	1N4148 TA
D822	0DD414809ED	1N4148 TA
D824	0DD414809ED	1N4148 TA
D901	0DD400309AD	RECTIFIER,IN4003A
D902	0DR210009AA	RECTIFIER,BAV21 DO-35 200V
D903	0DR210009AA	RECTIFIER,BAV21 DO-35 200V
D904	0DR210009AA	RECTIFIER,BAV21 DO-35 200V
ZD11	0DZ510009DB	ZENER,MTZJ5.1B DO34 500MW
ZD12	0DZ560009CF	ZENER,MTZJ5.6B DO34 0.5W 5
ZD13	0DZ560009CF	ZENER,MTZJ5.6B DO34 0.5W 5
ZD14	0DZ910009AJ	ZENER,MTZJ9.1B
ZD102	0DZ330009BA	ZENER,HZT33(TP) HITACHI
ZD231	0DZ120009AF	ZENER,MTZJ12B DO34 500MW
ZD305	0DZ110009AD	ZENER,MTZJ11B DO34 500MW
ZD306	0DZ240009CG	ZENER,MTZJ24B DO34 500MW
ZD402	0DZ820009AH	ZENER,MTZJ8.2B DO34 500MW
ZD405	0DZ820009AH	ZENER,MTZJ8.2B DO34 500MW
ZD603	0DZ180009AG	ZENER,MTZJ18B DO34 500MW 1
ZD904	0DZ750009AG	ZENER,MTZJ7.5B DO34 0.5W 7
ZD1001	0DZ110009AD	ZENER,MTZJ11B DO34 500MW 1
ZD1002	0DZ110009AD	ZENER,MTZJ11B DO34 500MW 1

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;
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CQ : Polyestor
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Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTION
ZD1102	0DZ110009AD	ZENER,MTZJ11B DO34 500MW 1
TRANSISTOR		
Q01	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q02	0TR102009AG	CHIP KRC102S SOT-23 TP KEC
Q03	0TR102009AG	CHIP KRC102S SOT-23 TP KEC
Q51	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q101	0TR102009AG	CHIP KRC102S SOT-23 TP KEC
Q103	0TR102009AG	CHIP KRC102S SOT-23 TP KEC
Q104	0TR102009AG	CHIP KRC102S SOT-23 TP KEC
Q111	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q112	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q113	0TR388109AA	KTC3881 CHIP
Q114	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q115	0TR102009AG	CHIP KRC102S SOT-23 TP
Q201	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q231	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q232	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q301	0TR988000AC	KTB988-Y
Q401	0TR233109AA	KSC2331-Y TP
Q402	0TR188600AA	2SD1886
Q403	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q501	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q505	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q506	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q507	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q510	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q512	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q585	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q601	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q602	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q701	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q802	0TR320209AA	KTC3202-TP-Y (KTC1959)KEC
QN1	0TR150400BA	CHIP 2SA1504S(ASY) KEC
QN2	0TR150400BA	CHIP 2SA1504S(ASY) KEC
QN3	0TR150400BA	CHIP 2SA1504S(ASY) KEC
QN4	0TR150400BA	CHIP 2SA1504S(ASY) KEC
CAPACITOR		
C10	0CQ1021N509	0.001U 100V K
C11	0CE106DF618	10UF STD 16V M
C12	0CE335DK618	3.3000UF STD 50V M
C20	0CE107DD618	100UF STD 10V M
C61	0CE476DF618	47UF STD 16V M
C81	0CE476DD618	47UF STD 10V M
C101	0CE475DK618	4.7000UF STD 50V M
C104	0CE227DD618	220UF STD 10V M
C105	0CE476DK618	47UF STD 50V M
C107	0CN2230H949	22000P 25V Z
C108	0CE107DF618	100UF STD 16V M
C115	0CE476DD618	47UF STD 10V M
C116	0CN1030F679	10000P 16V M

LOCA. NO	PART NO	DESCRIPTION
C201	0CE226DF618	22UF STD 16V M
C202	0CE226DF618	22UF STD 16V M
C206	0CE107DF618	100UF STD 16V M
C221	0CN2210K519	220P 50V K
C222	0CN2210K519	220P 50V K
C231	0CE227DF618	220UF STD 16V M
C269	0CX4700K409	47P 50V J
C301	0CE226BK618	22UF KME 50V M
C302	0CE477BJ618	470UF KME 35V M
C304	0CQ1042K439	0.1000UF S 50V J
C305	0CE685BK652	6800000 PF KME 50V M
C306	0CK2710W515	270P 500V K
C307	0CE477BJ618	470UF KME 35V M
C311	181-442Z	ECQ-B1H104KF3(TR)
C330	0CQ1031N509	0.01U 100V K
C331	181-442Z	ECQ-B1H104KF3(TR)
C401	0CE474DK618	0.4700UF STD 50V M
C402	0CE106BK618	10UF KME 50V M
C404	0CQ3332K439	0.0330UF S 50V J
C405	0CB10212474	1000PF D 2KV J
⚠ C406	0CE106BR618	10UF KME 250V M
C407	0CE476DN618	47UF STD 100V M
C408	0CE2261R618	22M SM 250V M
C409	181-014K	1600V 0.0082UF J
"(25")	181-014F	1600V 0.0068UF J
C410	181-014N	1600V 0.01UF J
"(25")	181-014Q	1600V 0.015UF J
C411	181-005H	400V 0.022UF K
C412	181-010G	400V 0.01UF K
C413	0CK2710W515	270P 500V K
C414	0CK2710W515	270P 500V K
C416	181-009V	200V 0.047UF K
⚠ C430	181-013G	200V 0.5UF J
⚠ "(25")	181-013H	200V 0.62UF J
C431	0CK47102515	470P 2KV K
C501	0CE476DD618	47UF STD 10V M
C502	0CE476DD618	47UF STD 10V M
C505	0CE225DK618	2.2000UF STD 50V M
C510	0CE107DD618	100UF STD 10V M
C511	0CQ3342K439	0.3300UF S 50V J
C520	0CE335DK618	3.3000UF STD 50V M
C521	0CC2210K415	220P 50V J
C526	0CE227DF618	220UF STD 16V M
C529	0CN1040K949	0.1M 50V Z
C531	0CE105DK618	1UF STD 50V M
C533	0CE105DK618	1UF STD 50V M
C536	0CN1020K519	1000P 50V K
C538	0CQ1041N455	0.1000UF 100V J
C539	0CSZVTA001G	2.2UF 25V K
C544	0CQ3342K439	0.3300UF S 50V J
C545	0CE105DK618	1UF STD 50V M
C550	0CQ1021N519	0.001U 100V K

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LOCA. NO	PART NO	DESCRIPTION
C571	0CE108DF618	1000UF STD 16V M
C572	0CQ3342K439	0.3300UF S 50V J
C579	0CQ3342K439	0.3300UF S 50V J
C581	0CQ3342K439	0.3300UF S 50V J
C601	0CE225DK618	2.2000UF STD 50V M
C602	0CE476DH618	47UF STD 25V M
C608	0CE225DK618	2.2000UF STD 50V M
C610	0CE228DJ61A	2200UF STD 35V M
C612	0CE476DF618	47UF STD 16V M
C614	0CE477DH618	470UF STD 25V M
C615	0CE477DH618	470UF STD 25V M
C617	0CE106DF618	10UF STD 16V M
C674	0CN1030F679	10000P 16V M
C675	0CN1030F679	10000P 16V M
C677	0CE226DF618	22UF STD 16V M
C678	0CQ4742K439	0.4700UF S 50V J
C680	0CQ3342K439	0.3300UF S 50V J
C687	0CE106DF618	10UF STD 16V M
C692	0CE107DD618	100UF STD 10V M
C703	0CE107DD618	100UF STD 10V M
C705	0CX8R20K509	8.2P 50V K
C707	181-442Z	PE,ECQ-B1H104KF3(TR)
C708	181-442Z	ECQ-B1H104KF3(TR)
C709	0CQ3342K439	0.3300UF S 50V J
C711	0CE476DF618	47UF STD 16V M
C712	0CE476DF618	47UF STD 16V M
C714	0CE107DD618	100UF STD 10V M
C802	181-014Y	1.6KV 0.0015UF J
C803	0CK10201515	1000P 1KV K B TS
C804	0CK10201515	1000P 1KV K B TS
C806	181-001F	CE 400V 220UF M
⚠ C811	181-120E	ACT 4KV E 222M
C813	181-091P	1KV SL 271J TP5
C814	181-091U	2KV R 221K TP7.5
C815	181-091P	1KV SL 271J TP5
C818	0CE477BJ618	470UF KME 35V M
C820	0CE227BQ610	220UF KME TYPE 200V M
C821	0CE107BQ650	100UF KME 200V M
C822	0CE107BJ618	100UF KME 35V M
C823	0CE227BH618	220UF KME 25V M
C824	0CE475BK618	4.7000UF KME 50V
C825	0CE108BF618	1000UF KME 16V M
C826	0CE108BF618	1000UF KME 16V M
C827	0CE108BH618	1000UF KME 25V M
C828	181-091R	1KV R 102K TP5
C829	181-091Q	1KV R 471K TP5
C830	0CE477BH618	470UF KME TYPE 25V M
C831	181-091Q	1KV R 471K TP5
C832	181-091Q	1KV R 471K TP5
C833	0CK1020W515	1000P 500V K
⚠ C834	0CK1020W515	1000P 500V K
C835	0CK4710W515	470PF 500V K

LOCA. NO	PART NO	DESCRIPTION
C836	0CE107DF618	100UF STD 16V M
C837	0CE107BH618	100UF KME 25V M
C838	0CE227BF618	220UF KME 16V M
C854	181-442Z	ECQ-B1H104KF3(TR)
C904	181-013L	400V 0.08UF J
C905	0CE106DR618	10UF STD 250V M
C906	0CE106DR618	10UF STD 250V M
C907	0CK12202510	1200P 2KV K
C1004	0CN4710K519	470P 50V K
C1005	0CN4710K519	470P 50V K
C1009	0CN1810K519	180P 50V K
C1010	0CN1810K519	180P 50V K
C1011	0CN4710K519	470P 50V K
C1012	0CN4710K519	470P 50V K
C1101	0CE475DK618	4.7000UF STD 50V M
C1103	0CN1030F679	10000P 16V M
C1104	0CN4710K519	470P 50V K
C1105	0CN4710K519	470P 50V K
CN02	0CE227DD618	220UF STD 10V M
CN04	0CE335DK618	3.3000UF STD 50V M
CN13	0CE474DK618	0.4700UF STD 50V M
CN14	0CE474DK618	0.4700UF STD 50V M
CN17	0CE106DF618	10UF STD 16V M
CN18	0CE106DF618	10UF STD 16V M
CN21	0CE474DK618	0.4700UF STD 50V M
CN22	0CE474DK618	0.4700UF STD 50V M
CN23	0CE107DD618	100UF STD 10V M
CN25	0CE106DF618	10UF STD 16V M
CN40	0CE106DF618	10UF STD 16V M
CN45	0CE107DD618	100UF STD 10V M
CN53	0CQ3342K439	0.3300UF S 50V J
CN60	0CE227DF618	220UF STD 16V M
CN62	0CE107DF618	100UF STD 16V M
CN63	0CE107DF618	100UF STD 16V M
CN64	0CE227DF618	220UF STD 16V M
CN65	0CE227DF618	220UF STD 16V M
CP810	0CQZVBK002C	A.C 275V 0.22UF K

CORE

FB54	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB102	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB130	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB154	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB256	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB308	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB405	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB801	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB802	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB804	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB809	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB811	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB1003	125-022K	CORE (CIRC),BEAD FERRITE 1UH

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LOCA. NO	PART NO	DESCRIPTION
J169	125-022K	CORE (CIRC),BEAD FERRITE 1UH
L253	125-123A	CORE,FERRITE BFD3565R2F
L258	125-123A	CORE,FERRITE BFD3565R2F
L550	125-123A	CORE,FERRITE BFD3565R2F
L805	125-123A	CORE,FERRITE BFD3565R2F
COIL & TRANSFORMER		
L02	0LA0122K119	INDUCTOR,12UH K
L03	0LA0102K119	INDUCTOR,10UH K
L101	150-C01G	COIL,CHOKE 1.0UH A
L102	0LA0102K139	INDUCTOR,10UH K
L103	0LA0102K119	INDUCTOR,10UH K
L111	150-C01A	COIL,CHOKE 0.29UH A
L115	0LA0102K119	INDUCTOR,10UH K
L116	0LA0102K119	INDUCTOR,10UH K
L250	0LA0102K119	INDUCTOR,10UH K
L251	0LA0102K119	INDUCTOR,10UH K
L252	0LA0102K119	INDUCTOR,10UH K
L255	0LA0102K119	INDUCTOR,10UH K
L260	0LA0102K119	INDUCTOR,10UH K
L263	0LA0102K119	INDUCTOR,10UH K
L264	0LA0102K119	INDUCTOR,10UH K
L265	0LA0102K119	INDUCTOR,10UH K
L301	150-717K	COIL,CHOKE 1.1MH
"(25")	150-717J	COIL,CHOKE 560UH
⚠ L401	150-L01D	COIL,H-LINEARITY 20UH
⚠ "(25")	150-L01H	COIL,H-LINEARITY 25UH
L503	0LA0821K119	INDUCTOR,8.2UH K
L504	0LA0102K119	INDUCTOR,10UH K
L505	0LA0331K119	INDUCTOR,3.3UH K
L507	0LA1000K119	INDUCTOR,100UH K
L508	0LA1000K119	INDUCTOR,100UH K
L510	0LA0102K119	INDUCTOR,10UH K
L691	150-E16C	COIL,IFT VAR,07S 1B 38.9MHZ
L693	0LA0102K119	INDUCTOR,10UH K
L701	0LA0221K119	INDUCTOR,2.2UH K
L801	150-C02F	COIL,CHOKE 82UH
L802	150-C02F	COIL,CHOKE 82UH
L803	0LA1000K139	INDUCTOR,100UH K
L1001	0LA0102K119	INDUCTOR,10UH K
L1002	0LA0102K119	INDUCTOR,10UH K
L1006	0LA1000K119	INDUCTOR,100UH K
L1007	0LA1000K119	INDUCTOR,100UH K
L1101	0LA0102K119	INDUCTOR,10UH K
L1102	0LA0102K119	INDUCTOR,10UH K
LN03	0LA0102K119	INDUCTOR,10UH K
LN05	0LA0102K119	INDUCTOR,10UH K
LN07	0LA1000K119	INDUCTOR,100UH K
LP801	150-F06J	COIL,LINE FILTER SQE2930 18MH
⚠ T451	6170VC0003C	TRANSFORMER,HORIZONTAL 10MM 75UH
⚠ T802	151-A03L	TRANSFORMER,SMPS EER4942 560UH
⚠ T803	151-D02F	TRANSFORMER,ST-BY EI-35 BULK

LOCA. NO	PART NO	DESCRIPTION
TP801	150-F06J	COIL,LINE FILTER SQE2930 18MH
JACK		
PJ201	6612VMH001A	JACK,SCART,UPJ-R1-018 RGB 21
PJ202	6612VMH001A	JACK,SCART,UPJ-R1-018 RGB 21
PJ241	6613V00004C	JACK ASSY,S-VHS+3P+EARPHONE
PL1101	6613V00004B	JACK ASSY,3P
RESISTOR		
FR210	0RF0102G609	10 1/4W 5 TA52
FR410	0RS0470J607	0.47 1W 5% TA62
⚠ FR413	0RF0470H609	0.47 1/2W 5 TA52
⚠ FR414	0RF0470J607	0.47 1W 5% TA62
⚠ FR579	0RF0152H609	15 1/2W 5 TA522
⚠ FR802	0RF0470H609	0.47 1/2W 5 TA52
⚠ FR803	0RF0470H609	0.47 1/2W 5 TA52
⚠ FR804	0RF0101H609	1.0 1/2W 5 TA52
⚠ FR915	0RF0680J607	0.68 1W 5 TA62
⚠ "(25")	0RF0470J607	0.47 1W 5 TA62
R01	0RD1000F609	100 1/6W 5 TA52
R23	0RD1001F609	1.0K 1/6W 5 TA52
R24	0RD1002F609	10K 1/6W 5 TA52
R26	0RD4702F609	47K 1/6W 5 TA52
R27	0RD4702F609	47K 1/6W 5 TA52
R28	0RD6200F609	620 1/6W 5 TA52
R31	0RD1000F609	100 1/6W 5 TA52
R32	0RD1000F609	100 1/6W 5 TA52
R37	0RD1002F609	10K 1/6W 5 TA52
R55	0RD1001F609	1.0K 1/6W 5 TA52
R56	0RD1002F609	10K 1/6W 5 TA52
R57	0RD1000F609	100 1/6W 5 TA52
R59	0RD1000F609	100 1/6W 5 TA52
R63	0RD1000F609	100 1/6W 5 TA52
R65	0RD1000F609	100 1/6W 5 TA52
R67	0RD4701F609	4.70K 1/6W 5% TA52
R71	0RD1000F609	100 1/6W 5 TA52
R72	0RD1000F609	100 1/6W 5 TA52
R77	0RD1001F609	1.0K 1/6W 5 TA52
R101	0RD1202F609	12K 1/6W 5 TA52
R104	0RD1000F609	100 1/6W 5 TA52
R105	0RD1000F609	100 1/6W 5 TA52
R127	0RD4702F609	47K 1/6W 5 TA52
R210	0RD1000F609	100 1/6W 5 TA52
R237	0RD4700F609	470 1/6W 5 TA52
R257	0RD1000F609	100 1/6W 5 TA52
R301	0RD0102H609	10 1/2W 5% TA52
"(25")	0RD0122H609	12 1/2W 5% TA52
R302	0RN0820H609	0.82 1/2W 5 TA52
R303	0RN2701F409	2.70K 1/6W 1% TA52
R304	0RD2201F609	2.2K 1/6W 5 TA52
R306	0RD0222F609	22 1/6W 5 TA52
R307	0RN6802F409	68K 1/6W 1% TA52

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LOCA. NO	PART NO	DESCRIPTION
R308	0RD1201F609	1.2K 1/6W 5 TA52
R309	0RS0102K607	10 2W 5% TA62
R310	0RS5601J607	5.60K 1W 5% TA62
R330	0RD0222F609	22 1/6W 5 TA52
R331	0RS2200K607	220 2W 5% TA62
R334	0RD0222H609	22 1/2W 5 TA52
R403	0RS3300J607	330 1W 5% TA62
R407	0RD0332H609	33 1/2W 5 TA52
⚠ R408	0RS5601H609	5.6K 1/2W 5 TA52
R409	0RD2203H609	220K 1/2W 5 TA52
⚠ R410	0RS0470J607	0.47 1W 5% TA62
R416	0RS8201J607	8.20K 1W 5% TA62
R420	0RD1001F609	1.0K 1/6W 5 TA52
⚠ R430	0RS8200J607	820 1W 5% TA62
⚠ R431	180-B01M	S 5W 7.5K J
R505	0RD1500F609	150 1/6W 5 TA52
R511	0RD1800F609	180 1/6W 5 TA52
R521	0RD2200F609	220 1/6W 5 TA52
R522	0RD2200F609	220 1/6W 5 TA52
R525	0RD4701F609	4.70K 1/6W 5% TA52
R532	0RD1001F609	1.0K 1/6W 5 TA52
R533	0RD1001F609	1.0K 1/6W 5 TA52
R534	0RD1001F609	1.0K 1/6W 5 TA52
R535	0RD1501F609	1.5K 1/6W 5 TA52
R542	0RD1002F609	10K 1/6W 5 TA52
R543	0RD1000F609	100 1/6W 5 TA52
R544	0RD1000F609	100 1/6W 5 TA52
R545	0RD1000F609	100 1/6W 5 TA52
R547	0RD2703F609	270K 1/6W 5 TA52
R550	0RD2702F609	27K 1/6W 5 TA52
R553	0RD3303F609	330K 1/6W 5 TA52
R554	0RD8202F609	82K 1/6W 5 TA52
R555	0RN3902F409	39K 1/6W 1% TA52
R556	0RD1201F609	1.2K 1/6W 5 TA52
R575	0RD1001F609	1.0K 1/6W 5 TA52
R576	0RD1001F609	1.0K 1/6W 5 TA52
R577	0RD3600F609	360 1/6W 5 TA52
R602	0RD4701F609	4.70K 1/6W 5% TA52
R607	0RD0102F609	10 1/6W 5 TA52
R608	0RD0102F609	10 1/6W 5 TA52
R615	0RD0331H609	3.3 1/2W 5 TA52
R711	0RD1001F609	1.0K 1/6W 5 TA52
R719	0RD1001F609	1.0K 1/6W 5 TA52
⚠ R801	0RKZVBK002A	2.2 OHM 7W 10%
⚠ R802	0RS4702K607	47K 2W 5% TA62
⚠ R803	180-C02H	RC 1/2W 8.2M K
R804	0RD0471H609	4.7 1/2W 5 TA52
R805	180-A01N	0.18 OHM 2 W 5% TA62
R810	0RD4701F609	4.70K 1/6W 5% TA52
R816	0RS0562J607	56 1W 5% TA62
R817	0RD0472F609	47 1/6W 5% TA
R821	0RD4701F609	4.70K 1/6W 5% TA52
R825	0RD6801F609	6.8K 1/6W 5 TA52
R840	0RD0152H609	15 1/2W 5 TA52
R901	0RD1000F609	100 1/6W 5 TA52
R903	0RD1000F609	100 1/6W 5 TA52
R905	0RD1000F609	100 1/6W 5 TA52
R907	0RS1001H609	1.0K 1/2W 5 TA52
R908	0RS1001H609	1.0K 1/2W 5 TA52
R909	0RS1001H609	1.0K 1/2W 5 TA52
R911	0RD2204H609	2.2M 1/2W 5 TA52
R913	0RD1000F609	100 1/6W 5 TA52
R1007	0RD0752F609	75 1/6W 5 TA52
R1008	0RD4701F609	4.7K 1/6W 5 TA52
R1009	0RD0272H609	27 1/2W 5 TA52
R1010	0RD0272H609	27 1/2W 5 TA52
R1011	0RD0752F609	75 1/6W 5 TA52
R1013	0RD0332F609	33 1/6W 5 TA52
R1014	0RD0332F609	33 1/6W 5 TA52
R1018	0RD0752F609	75 1/6W 5 TA52
R1105	0RD1002F609	10K 1/6W 5 TA52
R1106	0RD1002F609	10K 1/6W 5 TA52
R1107	0RD0562F609	56 1/6W 5% TA52
RN03	0RD1000F609	100 1/6W 5 TA52
RN04	0RD1000F609	100 1/6W 5 TA52
RN06	0RD1001F609	1.0K 1/6W 5 TA52
RN07	0RD1001F609	1.0K 1/6W 5 TA52
RN08	0RD1001F609	1.0K 1/6W 5 TA52
RN09	0RD1001F609	1.0K 1/6W 5 TA52
RN18	0RD1001F609	1.0K 1/6W 5 TA52
RN19	0RD1001F609	1.0K 1/6W 5 TA52
RN60	0RF0102G609	10 1/4W 5 TA52

SWITCH

⚠ SWP801	6600VM2002A	SWITCH,PUSH SDKEA3 250V 8A HORIZO
SW1101	140-315A	SWITCH,TACT SKHV17910B 12V
SW1102	140-315A	SWITCH,TACT SKHV17910B 12V
SW1103	140-315A	SWITCH,TACT SKHV17910B 12V
SW1104	140-315A	SWITCH,TACT SKHV17910B 12V
SW1105	140-315A	SWITCH,TACT SKHV17910B 12V
SW1106	140-315A	SWITCH,TACT SKHV17910B 12V

FILTER & CRYSTAL

T101	166-C06D	FILTER(CIRC),TRAP MKT40.4MA110P-TF01
T102	166-C06D	FILTER(CIRC),TRAP MKT40.4MA110P-TF01
T103	166-C06D	FILTER(CIRC),TRAP MKT40.4MA110P-TF01
T501	166-C02E	FILTER(CIRC),TRAP TPS6.5MB-TF21
T502	166-C02C	FILTER(CIRC),TRAP TPS5.5MB-TF21
X501	156-A01V	CRYSTAL,STD HC49U 4.433619MHZ 3
X502	156-A01C	CRYSTAL,STD HC49U 3.579545MHZ 3
X701	156-A02U	CRYSTAL,STD HC49U 27.000MHZ 30P
XN01	156-A02M	CRYSTAL,STD HC49U 18.432MHZ 30P
Z101	166-A01B	FILTER,OFWK3953M SIEMENS 37.4MHZ
Z102	6200VQS001D	FILTER(CIRC),SAW OFWK9260M 38.9MHZ

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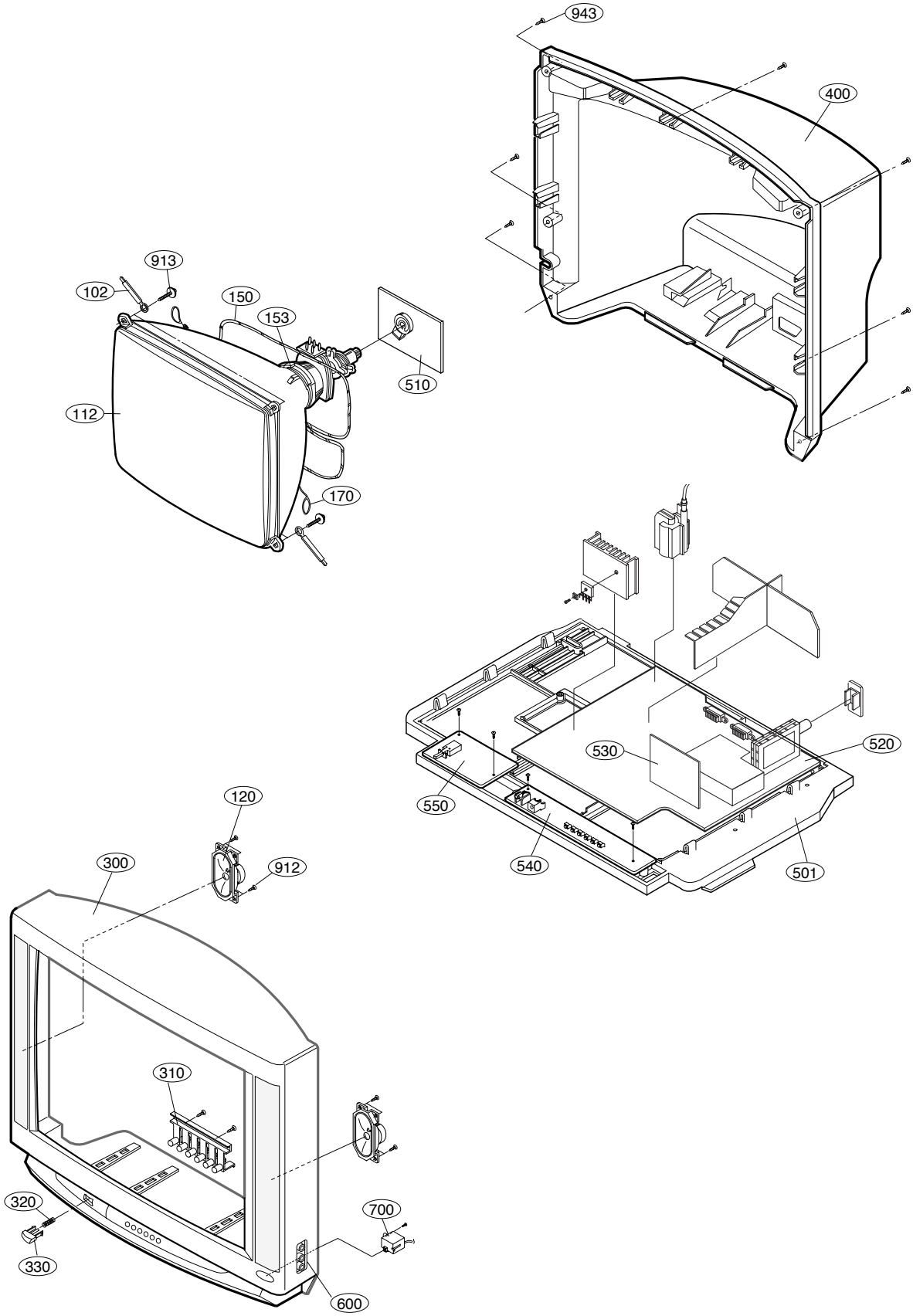
LOCA. NO	PART NO	DESCRIPTION
Z103	166-A01U	FILTER (CIRC),SAW OFWL9454M 40.4MHZ
ZN02	166-F01D	FILTER,DSS306-93Y5S271M MURATA 50VOLT
	ACCESSORIES	
A1	3828VA0158M	MANUAL,OWNERS FS/6KY GS FR 009L TX
A1	3828VA0158B	MANUAL,OWNERS DG LG GE/EN 009K 016A 02
A2	6710V00009L	REMOTE CONTROLLER,GS
A2	6710V00009K	REMOTE CONTROLLER LG
	MISCELLANEOUS	
⚠ F802	131-096D	FUSE,3000MA 125 V 2.5X7.6
⚠ FP801	131-098B	FUSE,TIME LAG 4000MA 250 V
⚠ P901	6620VBC001A	SOCKET,CPT 29.1 PHI SINGLE
PA1101	106-047G	PRE-AMP,SBX2020-82 SONY 38.0KHZ
⚠ RL801	141-018E	RELAY,DG12D1-0(M)-2 12V44MA
SG901	165-004A	SPARK GAP,AG20PT 152F-L3N/S-23
⚠ T406	6174Z-6012J	FBT,FTMPN51-T6012J
TH801	163-051F	THERMISTOR,J503P84D140M290Q
TU101	6700VPF005A	TUNER,TU8PSD01DB LGEC PAL DIN BG/L
"	6700VPF005B	TUNER,TU8PSD01DA LGEC PAL DIN BG/DK
VDP801	164-003D	VARISTOR,SVC 561D-14A
X01	166-E05D	RESONATOR,CSTS0800MG03-T2 MURATA

LOCA. NO	PART NO	DESCRIPTION

EXPLODED VIEW(CF/CI-25/29H40T/CL-29N42X)



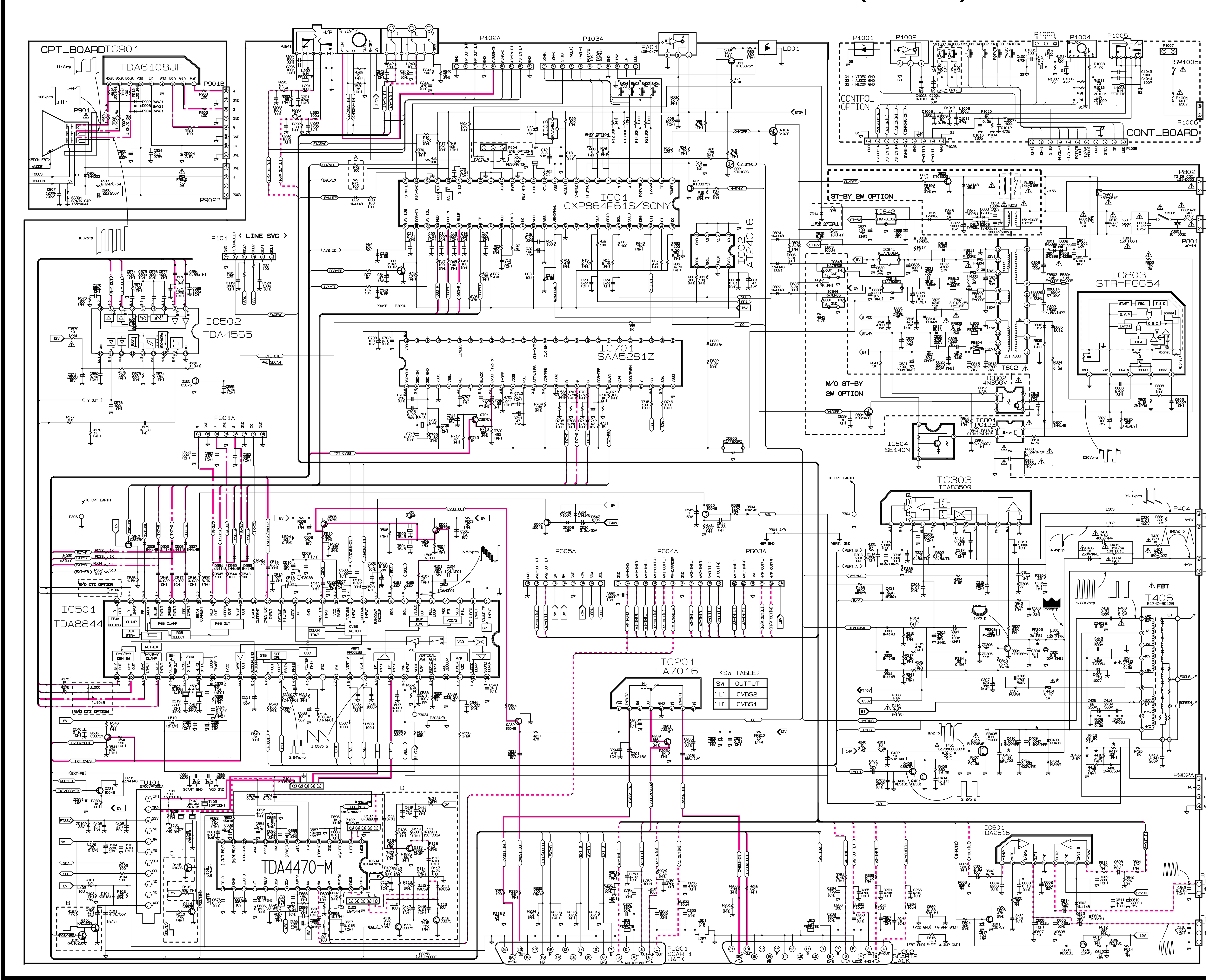
EXPLODED VIEW PARTS LIST

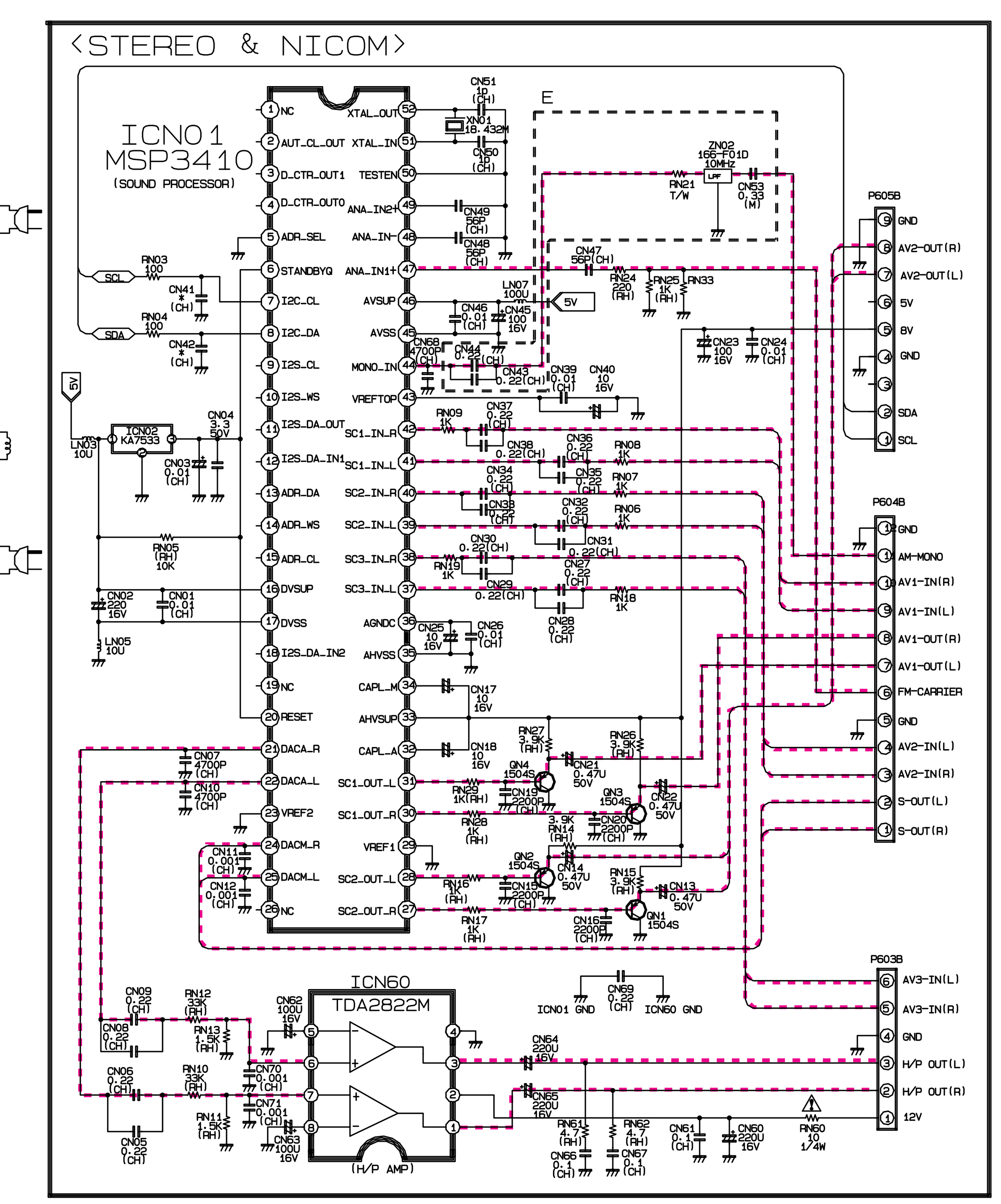
The components identified by mark ⚠ is critical for safety.
Replace only with part number specified.

NO	PART NO		DESCRIPTIONS
	25"	29"	
102	341-919A	341-919A	HOLDER,D-COIL
⚠ 112	6341V25001A	6341V29002A	CPT ASSY
	2055-01011L	-	CPT ASSY *LGEPL
120	6400VA0001A	6400VA0001A	SPEAKER,GENERAL 8 OHM 5/12W 82 DB
⚠ 150	150-D05N	6140VC2001G	COIL,DEGAUSSING
⚠ 153	153-144L	6150Z-1043M	DY
⚠ 170	170-844B	170-844F	CPT EARTH
300	3106V00030P	3091V00078W	CABINET ASSY(LG) *LGEDG
	3106V00030N	3091V00078V	CABINET ASSY(LG) *LGEIS
	3106V00030M	-	CABINET ASSY(LG) *LGEES
	-	3091V00078U	CABINET ASSY(GS) *LGEFS
310	5020V00173A	5020V00176A	BUTTON,CONTROL
320	320-070G	320-070G	SPRING,COIL
330	5020V00167B	5020V00105B	BUTTON,POWER
400	3809V00130C	3809V00125D	BACK COVER ASSY
501	3210V00025B	3210V00025B	FRAME,MAIN
520	6871VMM185P	6871VMM185N	PWB ASSY MAIN *LGEDG
	6871VMM185J	6871VMM185M	PWB ASSY MAIN *LGEIS
	-	6871VMM185E	PWB ASSY MAIN *LGEFS
	6871VMM185S	6871VMM185R	PWB ASSY MAIN *LGEUK
530	6871VSM293C	6871VSM293C	PWB ASSY,AUDIO PROC(BG/DK)
540	6871VSM359A	6871VSM359A	PWB ASSY,CONTROL
550	6871VSM361A	6871VSM361A	PWB ASSY,POWER
600	6871VSM358A	6871VSM358A	PWB ASSY,AV
700	-	0IGL120104A	IC,CDS SENSOR
913	332-229A	332-229A	SCREW ASSY,HEXAGON HEAD
943	1PTF0403116	1PTF0403116	SCREW,TAP TITE D4.0 L16.0
⚠ P801	174-009U	174-009U	CORD,POWER(W/HOLD,HOUSING)L=350,4.0
	174-224A	174-224A	CORD,POWER FOR UK

Service Sheet of PC-8KA(STEREO)

P/N : 3854VA0044A
DATE : 1998.09.25





<INCH OPTION>

<SYSTEM OPTION>

COMPONENT	BG/LL'	BG	II'	BG/DK
C523	62pF(CH.NPO)	3300pF(CH)	3300pF(CH)	62pF(CH.NPO)
R536	150K(RH)	100K(RH)	100K(RH)	150K(RH)
C524	0.047uF(CH)	0.1uF(CH)	0.1uF(CH)	0.047uF(CH)
R505	RD.150.1/6W	RD.270.1/6W	RD.270.1/6W	RD.150.1/6W
Q115	Tr.C102S	—	—	—
J1045	—	0 ohm(RH)	0 ohm(RH)	0 ohm(RH)
T501	T6.5	—	—	T6.5
T502	T5.5	T5.5	T6.0	T5.5
T101	T40.4	T40.4	—	—
T102	T40.4	T40.4	T40.9	T40.4
C539	2.2uF	0.68uF	0.68uF	0.68uF
A	O	X	X	X
B	O	X	X	X
C	O	X	X	X
D	O	X	X	X
E	O	X	X	X
T103	—	—	T40.9	T40.4
R505	RD.150.1/6W	RD.150.1/6W	RD.150.1/6W	RD.200.1/6W

NOTICE

Since this is basic circuit diagram.

the value of components and some partial connection are subject to be changed for improvement without notice.

The components marked ⚠ conform to VDE or IEC guide-lines and are essential for safe operation of the TV receiver.
while those marked ⚠ are required for correct operation.
Use specified parts only when replacing.

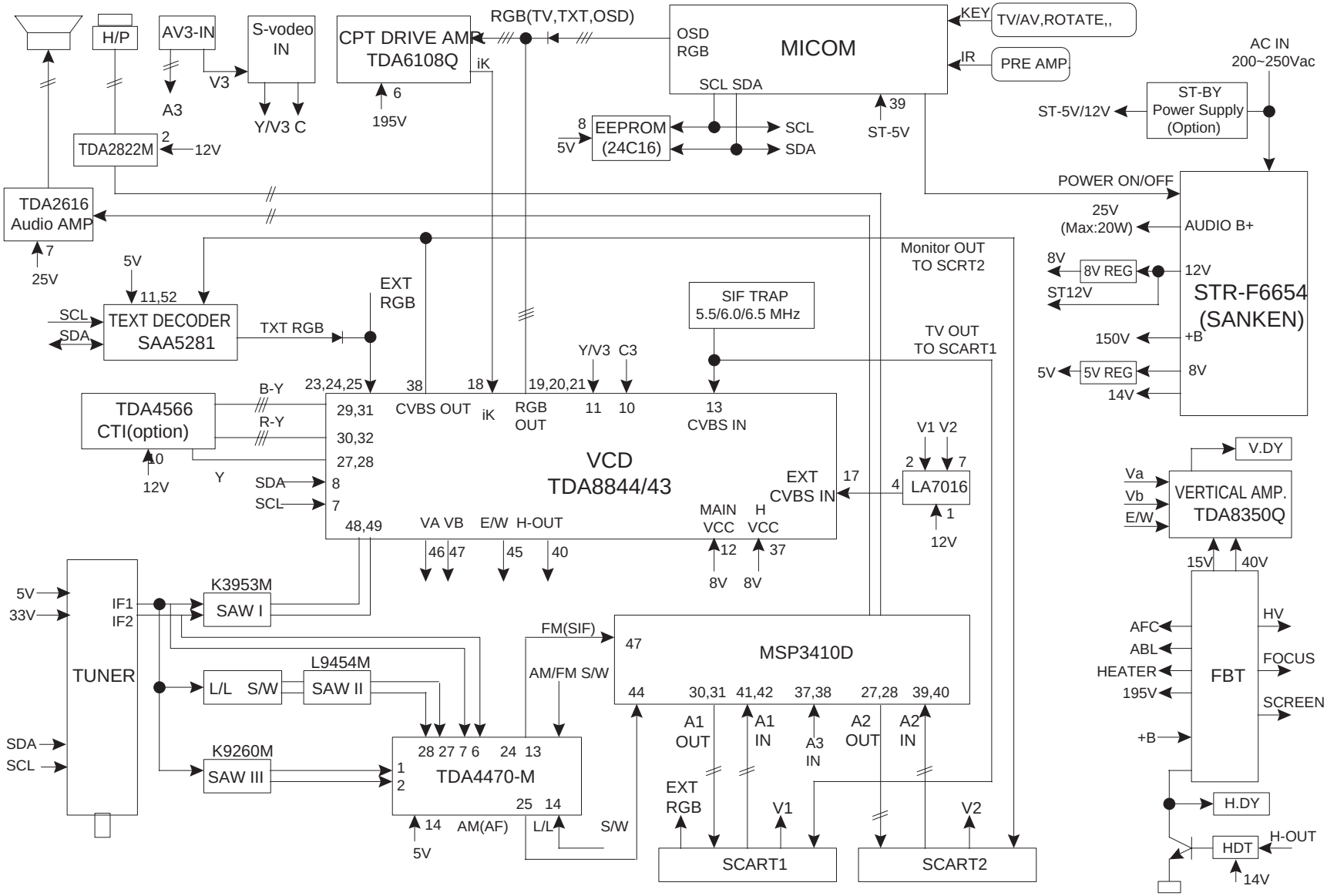
Value of resistor, capacitor and inductor

1. Resistances are shown in ohm. K=1,000. M=1,000,000.
2. Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in mfd and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in uH and the values less than 1 in Henry(H).

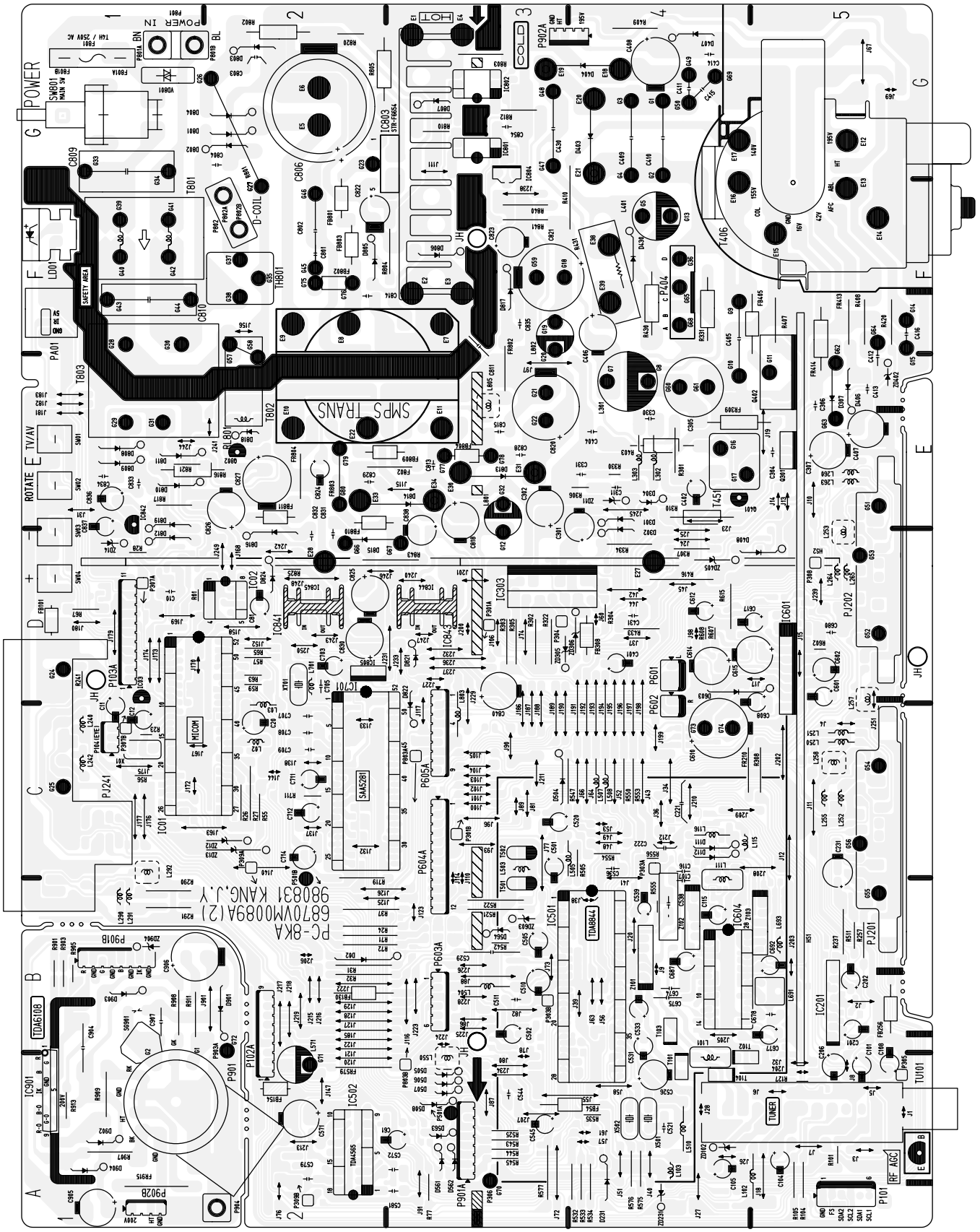
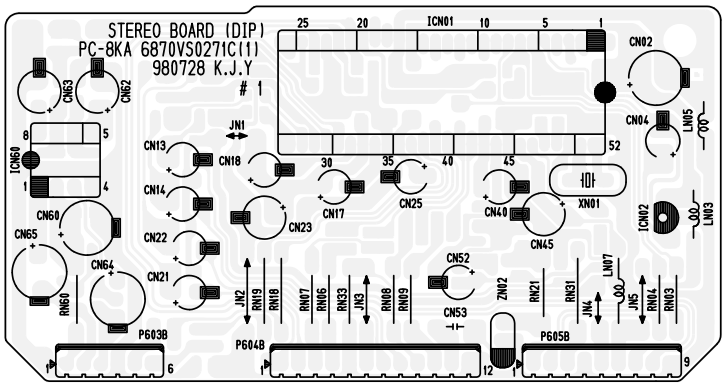
Observation of voltages and waveforms

1. Voltages read with VTVM from point to chassis ground. line voltage is 230+/-20% volts. signal pattern is colour-bar.
2. The schematic shown is represetative only.
3. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
4. Check FINE TUNING, AGC, CONTRAST, BRIGHTNESS and COLOUR controls for best picture. make sure that COLOUR and BRIGHTNESS are in mid-point and CONTRAST is in 75%.
5. Waveforms are taken using a standard colour signal.

CVBS(Composite Video)
Croma
Audio


H/P
AV3-IN
S-vodeo IN
V3
A3
Y/V3 C
TDA2822M
2
12V
CPT DRIVE AMP TDA6108Q
RGB(TV,TXT,OSD)
iK
6
195V
OSD RGB
MICOM
KEY
TV/AV,ROTATE,,
IR
PRE AMP
SCL SDA
39
ST-5V
8
5V
EEPROM (24C16)
SCL
SDA
AC IN 200~250Vac
ST-5V/12V
ST-BY Power Supply (Option)
POWER ON/OFF
TDA2616 Audio AMP
7
25V
5V
11,52
SCL
SDA
TEXT DECODER SAA5281
TXT RGB
EXT RGB
Monitor OUT TO SCRT2
SIF TRAP 5.5/6.0/6.5 MHz
TV OUT TO SCART1
25V (Max:20W)
AUDIO B+
8V
8V REG
12V
ST12V
STR-F6654 (SANKEN)
150V
+B
5V
5V REG
8V
14V
Y/V3
C3
B-Y
R-Y
Y
23,24,25
38
18
19,20,21
11
10
13
CVBS IN
CVBS OUT
iK
RGB OUT
TDA4566 CTI(option)
10
12V
29,31
30,32
27,28
8
7
SDA
SCL
VCD TDA8844/43
48,49
VA VB
E/W
H-OUT
46
47
45
40
MAIN VCC
H VCC
12
37
8V
8V
EXT CVBS IN
17
4
LA7016
V1 V2
2
7
1
12V
V.DY
Va
Vb
E/W
VERTICAL AMP. TDA8350Q
15V
40V
5V
33V
IF1
IF2
TUNER
SDA
SCL
K3953M
SAW I
L9454M
L/L S/W
SAW II
K9260M
SAW III
FM(SIF)
AM/FM S/W
47
MSP3410D
44
30,31
41,42
37,38
27,28
39,40
A1 OUT
A1 IN
A3 IN
A2 OUT
A2 IN
EXT RGB
V1
V2
SCART1
SCART2
28 27 7 6
24 13
1
2
TDA4470-M
25 14
14
AM(AF)
L/L
S/W
5V
AFC
ABL
HEATER
195V
+B
FBT
HV
FOCUS
SCREEN
H.DY
HDT
H-OUT
14V

MAIN & CPT


POWER
SMPS TRANS
SAFETY AREA
TDA6108
TDA8844
SAA5281
MICOM
TDA4565
TUNER
RF AGC
PC-8KA
6870VM0089A(2)
980831 KANG.J.Y

Stereo Board